

Minco/Omnetics flex circuit interconnect solutions

Better design, better turnkey solution

Overview

- Reliable flex-circuits from Minco – single to multilayer and rigid-flex
- High density nano connectors from Omnetics Connector Corporation
- Single-source simplicity
- Reduced design time gets your product to production faster
- Ideal solution for military, medical and hi-rel industrial applications

The fusion of Minco's state-of-the-art flex circuit production with high reliability, high density connectors from Omnetics can simplify your design, reduce your lead time and improve your product reliability.

Minco can work with many connector types from any source you specify, however, Omnetics is a select supplier. Direct engineer-to-engineer communications between our companies allow us to design circuits that meet your requirements, reduce your parts count and simplify your assembly.

You can specify flex circuits from Minco with connectors installed, soldered and overmolded. Or, specify the connector and we'll build the flex to match it. We can also optimize a flex termination for connectors while leaving the installation to you.

Connector specifications

Pin density: 0.025" pitch, maximum 2 rows x 44 pins per row (circular forms also available)

Current rating: Maximum 1.0 amp per terminal

Dielectric strength: 350 volts pin-to-pin

Maximum temperature: 200°C (aluminum shell)

Mounting configurations: Vertical or horizontal, surface mount or thru-hole; in-line edge card

Qualification: Mil-PRF-83513 (selected models)

Outgassing: Meets limits of NASA / GSFC 1124

Contact resistance: 0.015 W maximum

Pin material: Beryllium copper



Design hi-rel interconnects with Minco flex-circuits and Omnetics connectors.



Mil-spec connectors with temperature ratings to 200°C.

Up to 44 pins in less than half the space of an 0.050" connector!



Round form connectors for surface mount installation.

Vertical or horizontal mounting to fit your designs.



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ISO 9001:2000
FC04060305R0
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